



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO039971	TWM001-VU	1	1	Net 30	M304TS0.500W.049	Square Tubing : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH				200	6/7/2018	201		S078000	Stock	6/5/2018	\$ 1.60 / ft	0	
Total:										200		201							

Plex 6/5/2018 10:13 AM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039971**

Supplier: TWM001-VU
TW Metals
PO Box 933014
Atlanta, GA 31193-3014 USA
Phone: 585 768 5600
Fax: 585 768 5601

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039971

PO Date: 5/23/18

Due Date: 6/7/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
MAY 23 2018

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M304TS0.500W.049		Square Tubing : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH	Firmed	6/7/18	200 ft	0 ft 200'	200 ft	\$1.60/ft	\$320.00
Grand Total:										\$320.00

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/23/18 1:47 PM dart.lavoie.chantal

DAS
11
9-89



O'Neal High-Performance Metals Group



**Packing
Slip**

ORDER NO.: 60657295

FROM: CRAN

PAGE 1

CUST NUMBER: 1203820 NET WGT: 50.420 REQ.DATE: 06/07/18 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA ONTARIO CANADA CN K6A 1K7 CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 05/31/18
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO039971 RELEASE NO.:
RECEIVING PHONE:

LINE	DESCRIPTION	WIDTH	LENGTH
0001	STOP 304 SQ ASTM A554 .500 SQ X .049		240.0000

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT
	200.000 FT	201.670 FT	201.670 FT	50.420

** 1 TEST REPORTS REQUIRED **
** 1 CERTS REQUIRED **

ECCN: 2B999.G Export License: NLR Expiration Date: 0/00/00
PO:60050884 HT:099D PC: 10 CUSTOMER QTY: 201.670 UOM FT
MLT:UNITED STATES MFG:UNITED STATES SLB/CL:01052394

BROKERS KUEHNE AND NAGEL LTD

AREA		TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
B		CARTON	1.000	105.000		20.5000	

1.000 105.000

BY: KP
RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED _____

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>



O'Neal High-Performance Metals Group



**Packing
Slip**

ORDER NO.: 60657295

FROM: CRAN

PAGE 2

CUST NUMBER: 1203820	NET WGT: 50.420	REQ.DATE: 06/07/18	CONFIRMED
SOLD TO:	SHIP TO:		
DART AEROSPACE LTD	DART AEROSPACE LTD		
1270 ABERDEEN ST	1270 ABERDEEN ST		
HAWKESBURY ON	HAWKESBURY ON		
CANADA	CN K6A 1K7	ONTARIO CANADA	CN K6A 1K7

SALESPERSON:	DONNA SMALLEY	SHIP BY:	05/31/18
TERMS:	NET 30 DAYS	27 ENGLEHARD DRIVE	
F.O.B.:	SHIPPING POINT	MONROE TWP	NJ 08831
CUST ORD NO.:	PO039971		
VIA:	COMMON CARRIER		
FREIGHT:	PREPAID		
RELEASE NO.:			
RECEIVING PHONE:			

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Electronically Generated Certificate-Valid without signature Date: 5/29/18

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>

1050884

PHOENIX TUBE COMPANY, INC.
Manufacturer of Stainless Ornamental and Structural Tubing

CERTIFICATION OF TEST

Sold To: **STAINLESS TUBULAR PRODUCTS**
27 ENGLEHARD DR

MONROE TOWNSHIP NJ 08831
USA

CUSTOMER ORDER#: M 01052394

CUST REF NBR: 05029

DATE SHIPPED: 11/21/16

SIZE: 1/2SQ X 18 GA AW

SOURCE: USA

VENDOR: NAS

Specification:

ASTMA554-15A

ASTMA240-16

AMS5511H/AMS5513J

T304L/304 DUAL CERTIFIED MT NO WELD REPAIR
RAW MATERIAL SPEC. RoHS COMPLIANT
UNS# 30400 / 30403 AISI 304L

Ship To: **STAINLESS TUBULAR PRODUCTS**
27 ENGLEHARD DR

MONROE TOWNSHIP NJ 08831
USA

Phone# 8605666

Ext:

ORDER#: 411605

QTY SHIPPED: 3085.0

GRADE: 304L

HEAT#: 099D

WELD: HF

TEST REPORT#: TR013610

Report Date: 08/09/16

EN 10204 2.2

NACE MR0175/MR0103

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY OF OUR PROCESSING LINES. MATERIAL IS FREE OF MERCURY CONTAMINATION.
MFG USING ANNEALED AND PICKLED PLATE, SHEET, OR STRIP. MATERIAL IS FULL SOLUTION ANNEALED, AND SHOWS NO CONTINUOUS CARBID PRECIPITATION. MIN SOLUTION ANNEAL TEMP 1900F WATER QUENCHED

Chemical Analysis

C	MN	P	S	SI	CR	NI	MO	CU	CO	N2	TI
.023	1.71	.023	.015	.24	18.22	8.03	.29	.30	NA	.07	NA

Physical Analysis

hardness	YIELD		TENSILE		OTHER	
	PSI	MPA	PSI	MPA	Percent EL	Percent RA
RB B4	44010	NA	93810	NA	53	NA

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.
PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

THIS MATERIAL INCLUDING THE BILLETS, WAS
Melted & MFG in USA DFARS 252.225 Subsection Compliant, FAR BAA, DFAR BAA, FAR TAA Complies

CERTIFIED BY Inventory Control Dept.

Jane Ferraro

1185 WIN DR, BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

TW METALS	
TEST	REPORTS
MAY 25 2018	
<i>Eric T.</i>	
ACCEPTED BY	

PHOENIX TUBE COMPANY, INC.

Manufacturer of Stainless Ornamental and Structural Tubing

CERTIFICATION OF TEST

Sold To: STAINLESS TUBULAR PRODUCTS
27 ENGLEHARD DR

MONROE TOWNSHIP NJ 08831
USA

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Specification:

ASTMA554-15A

ASTMA240-16

AMS5511H/AMS5513J

T304L/304 DUAL CERTIFIED MT NO WELD REPAIR

RAW MATERIAL SPEC.

UNS# 30400 / 30403

RoHS COMPLIANT

SAISI 304L

Ship To: STAINLESS TUBULAR PRODUCTS
27 ENGLEHARD DR

MONROE TOWNSHIP NJ 08831
USA

Phone# 8605866

Ext:

ORDER#: 411605

QTY SHIPPED: 3085.0

GRADE: 304L

WELD: HF

HEAT#: 099D

TEST REPORT#: TR013610

Report Date: 08/09/16

EN 10204 2.2

NACE MR0175/MR0103

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY OF OUR PROCESSING LINES. MATERIAL IS FREE OF MERCURY CONTAMINATION.
MFG USING ANNEALED AND PICKLED PLATE, SHEET, OR STRIP. MATERIAL IS FULL SOLUTION ANNEALED, AND SHOWS NO CONTINUOUS CARBID PRECIPITATION. MIN SOLUTION ANNEAL TEMP 1900F WATER QUENCHED

Chemical Analysis

C	MN	P	S	SI	CR	NI	MO	CU	CO	N2	TI
.023	1.71	.023	.015	.24	18.22	8.03	.29	.30	NA	.07	NA

Physical Analysis

	YIELD		TENSILE		OTHER	
Hardness	PSI	MPA	PSI	MPA	Percent EL	Percent RA
RB 84	44010	NA	93810	NA	53	NA

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.
PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

THIS MATERIAL INCLUDING THE BILLETS, WAS

Melted & MFG in USA DFARS 252.225 Subsection Compliant, FAR BAA, DFAR BAA, FAR TAA Complies

CERTIFIED BY Inventory Control Dept.



1185 WIN DR, BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304+50.500W.049
 DATE: JUN 05 2018

PO / BATCH NO.: 03997/5078000

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 201
 QUANTITY INSPECTED: 201
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W.049
 THICKNESS RECEIVED: W.049
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Astm A554</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat#099D</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____
DATE: <u>11 JUN 05 2018</u> <u>9-89</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

FINISH:

ASTM A554 MILL FINISH
OR ASTM A269 MILL FINISH

PART NUMBER:

M304TS | A.AAA | W.TTT
| WIDTH | WALL

PART NUMBER:

EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

WHERE:

A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL. SPECIFICATION (SEE NCR14-3618)	DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING	AJS	08.10.16
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-046 FOR DETAILS)	AJS	08.08.28
A	NEW ISSUE	DS	01.06.08
REV.		BY	DATE
DESIGN	DS		
DRAWN	DB		
CHECKED	DB		
MFG. APPR.	M304TS		
APPROVED			
DE APPR.			
DATE	14.05.20		
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RELEASED
2014-05-26

DART AEROSPACE LTD
HAMMERSBURY, ONTARIO, CANADA

REV. D
SHEET 1 OF 1

SCALE
NONE